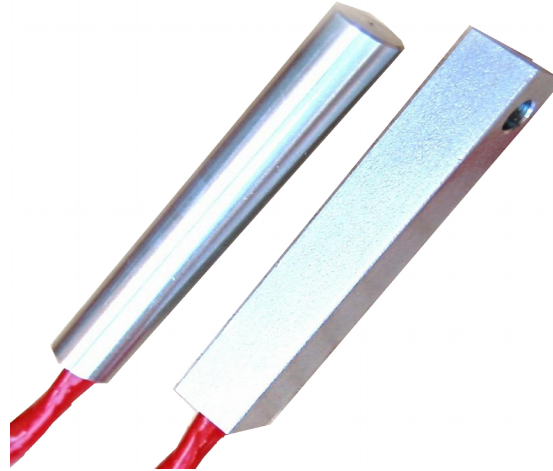


External Sensor ESD-Ex



Features

- ◆ ATEX marking for use in zones 2 and 22
- ◆ Highly resistant against corrosion, pitting and a multitude of chemicals
- ◆ Hermetically sealed by a thermally conductive potting compound
- ◆ Prismatic stainless steel housing with a 4 mm mounting bore for fitting to measurement object
- ◆ Cylindrical stainless steel housing for feeler application
- ◆ To be used with sensor control unit **SCU 800**
- ◆ May be combined with d-LIST sensor cable **SEC 15**
- ◆ Maximum number of external sensors each for inputs **A** and **B** of a sensor control unit **SCU 800**:
Up to 50 external sensors with a total cable length of up to 100 m
From 51 to 99 external sensors with a total cable length of up to 50 m
In combination with sensor cable **SEC 15** four external sensors at each sensor cable end with a total cable length of up to 200 m

General Data

- ◆ Type of protection zone 2: Ex II 3G Ex nA IIC T4 Gc
- ◆ Type of protection zone 22: Ex II 3D Ex tc IIIB T125 °C Dc
- ◆ Operating temperature: -20 °C...+70 °C
- ◆ Ingress protection: IP 64
- ◆ Cable routing: EN 60079-0 / 26.4.2 routing protected against mechanical impact energy
- ◆ Connection box: **CBO 5-Ex** within Ex-zone, **CBO 5-ESD** outside
- ◆ Housing material: Material no. 1.4571 (DIN EN X6 CrNiMoTi 17-12-2)
- ◆ Cable isolation material: FEP (Fluorinated Ethylene Propylene)

Sensor Specifications

- ◆ Measurement range: -40 °C ... +120 °C
- ◆ Measurement resolution: 0,1 °C
- ◆ Repeatability: ± 0,1 K
- ◆ Power supply: 5 V DC via **SCU 800**

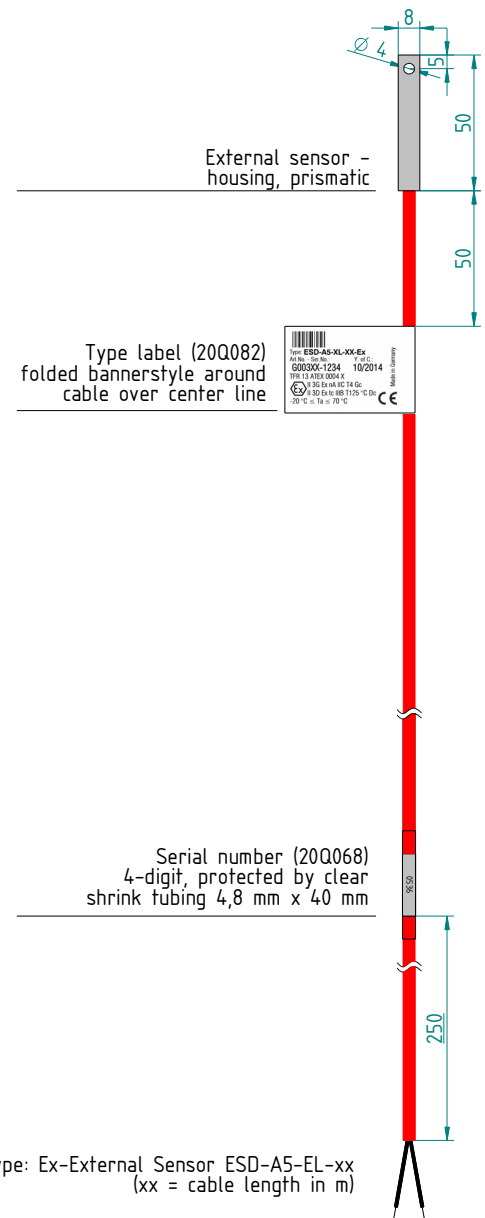
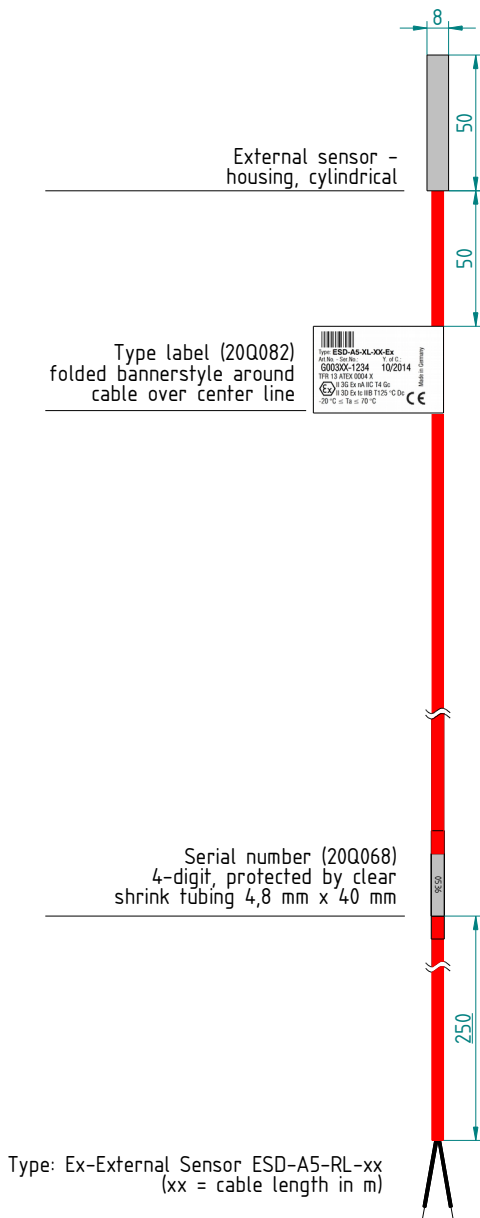
Ordering Information

- | | |
|---|-------------------------|
| ◆ External Sensor ESD-A5-EL-02 (2 m connection cable, prismatic) | Art.-no.: G00344 |
| ◆ External Sensor ESD-A5-EL-05 (5 m connection cable, prismatic) | Art.-no.: G00346 |
| ◆ External Sensor ESD-A5-EL-10 (10 m connection cable, prismatic) | Art.-no.: G00499 |
| ◆ External Sensor ESD-A5-RL-02 (2 m connection cable, cylindrical) | Art.-no.: G00348 |
| ◆ External Sensor ESD-A5-RL-05 (5 m connection cable, cylindrical) | Art.-no.: G00350 |
| ◆ External Sensor ESD-A5-RL-10 (10 m connection cable, cylindrical) | Art.-no.: G00498 |
| ◆ ATEX Marking for external sensor ESD | Art.-no.: S00003 |

Scope of Delivery

- ◆ External sensor with integral connection cable (length according to order)
- ◆ ATEX marking
- ◆ Production file

Dimensions



LISTEC GmbH
Am Sandberg 34
D - 84424 Isen
Germany

Tel.: +49 (0) 8083 5385-0
Fax.: +49 (0) 8083 5385-20
e-mail: info@listec-gmbh.de
www.listec-gmbh.de

A company of the Swiss Securitas Group

Subject to change without prior notice!